

Continuous Water Quality Monitoring Periodic Report



Kinley Creek A (June 3, 2014 -- July 7, 2014)

CONTINUOUS SUMMARY STATISTICS							
PARAMETER	DESCRIPTION	WATER QUALITY PARAMETERS:	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Kinley Creek	STAGE (FT):	0.4	2.4	0.5	0.6	0.2
LOCATION:	Longhorn Steakhouse						
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TEMPERATURE (°F):	73	90	81	81	3
COORDINATES:	34.069897, -81.164592	TURBIDITY (NTU):	1	666	7	13	19
TMDL/IMPAIRMENT:	Fecal Coliform		•	000	,		.0
NEIGHBORING LANDUSE:	Residential and commercial	pH:	6.5	8.5	6.9	6.9	0.3
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	8	SPECIFIC CONDUCTIVITY (mS/cm):	0.038	0.191	0.121	0.131	0.038
MAX. DAILY RAINFALL:	1.8 inches	DISSOLVED	4.5	40.7	5.0	5.4	0.4
TOTAL RAINFALL (FOR PERIOD):	4.4 inches	OXYGEN (mg/L):	1.5	10.7	5.2	5.1	2.1
Water Temp 90 6/3 6/5 6/7 6/9 6/11 6/13 6/15 6/17 6/19 6/21 6/23 6/25 6/27 6/29 7/1 7/3 7/5 7/7							
PH 1.8 7.8 7.8 7.8 6.6 6.0 6/3 6/5 6/7 6/9 6/11 6/13 6/15 6/17 6/19 6/21 6/23 6/25 6/27 6/29 7/1 7/3 7/5 7/7							
Specific Conductivity							
0.22 0.17 0.07 0.02 0.07 0.08 6/5 6/7 6/9 6/11 6/13 6/15 6/17 6/19 6/21 6/23 6/25 6/27 6/29 7/1 7/3 7/5 7/7							
SCDHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen 4 mg/L (SCDHEC Low Standard)							
13 11 9 9 7 8 7 5 3 1 6/3 6/5 6/7		6/15 6/17 6/19	6/21 6/23	6/25 6/27		~ √ ~	7/5 7/7

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Kinley Creek A (June 3, 2014 -- July 7, 2014)

Explanation of Statistics:

MINIMUM OBSERVED	The minimum of the values recorded by the datasonde in 15 minute intervals.
MAXIMUM OBSERVED	The maximum of the values recorded by the datasonde in 15 minute intervals.
MEDIAN OBSERVED	The median of all the values recorded by the datasonde in 15 minute intervals.
MEAN OBSERVED	The average of all the values recorded by the datasonde in 15 minute intervals.
STANDARD DEVIATION	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

Grab Sample Data:

Analyte	Sample 1		Sample 2		Sample 3	
(units)						
(units)	Time	Result	Time	Result	Time	Result
Escherichia coli						
(MPN/100mL)						
Total Suspended						
Solids (mg/L)						
Total Phosphorus						
(mg/L)						
Total Nitrogen						
(mg/L)						

Note:



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Kinley Creek B (June 3, 2014 -- July 7, 2014)

### ARAMETER DESCRIPTION WATER QUALITY MANAGRUM MEGNAN M		CONTINUOUS		SUMMARY STATISTICS					
LOCATION: Broken Hill Rd ADDRESS: Columbia, SC 28712 COORDINATES: 34,06835, -81,159986 TMDLIMPAIRMENT: Fecal Coliform REIGHBORINS REIGHBOR	PARAMETER	DESCRIPTION	WATER QUALITY		_			STANDARD DEVIATION	
ADDRESS: COURDINATES: 1500 Bioken Hill Rd Columback 2812 COORDINATES: 34.06835, 81.159980 TMDLIMPAIRMENT: Focal Collorm Residential and commercial SPATIAL LOCATION: Most downstream site TOTAL NO. STORMS OVER 8 CONDUCTIVITY 0.021 0.251 0.164 0.159 0.051 0.1 NICH: SPECIFIC CONDUCTIVITY 0.021 0.251 0.164 0.159 0.051 0.1 NICH: MAX. DAILY RAINFALL: 1.8 inches TOTAL RAINFALL (FOR 4.4 inches 0.1 NICH: Mg/L): Stage & Rainfall 0.1 NICH: Mg/L): Stage & Rainfall 0.1 NICH: Mg/L): Mg/L 0.1 NICH: Mg/L): Mg/L 0.1 NICH: Mg/L): Mg/L 0.1 NICH: Mg/L): Mg/L 0.1 NICH: Mg/L 0.	STREAM NAME:	Kinley Creek	STAGE (FT):	0.5	3.2	0.6	0.7	0.3	
ADDRESS: Objertion, SPC 29212 COORDINATES: 34.06655, 81.150986 TINDL.IMPAIRMENT: Recal Collored Residential and commercial SPATIAL LOCATION: Most downstream sital TOTAL No. STORMS OVER 0.1 INCH: 8 SPATIAL LOCATION: Most downstream sital TOTAL No. STORMS OVER 0.1 INCH: 8 MAX. DAILY RAINFALL: 1.8 inches TOTAL RAINFALL (FOR 4.4 inches) MICHIGAN STORMS OVER 0.1 INCH: DISSOLVED DXYGEN 3.7 8.0 5.4 5.5 0.7 Sugar & Rainfall S	LOCATION:	Broken Hill Rd							
TURBIDITY (NTU): 2 225 9 14 20	ADDRESS:		TEMPERATURE (°F):	72	89	78	78	3	
NAX. DALY RANFALL 1.8 inches TOTAL RANFALL (FOR PERIOD): 1.8 inches DALY RANFALL (FOR PERIOD):	COORDINATES:	34.06635, -81.159986	TURBIDITY (NTU):	2	225	9	14	20	
Part									
TOTAL NO. STORMS OVER 0.1 INCH: MAX. DALLY RAINFALL: 1.8 inches TOTAL RAINFALL (FOR PERIOD): Stage & Rainfall Stage	LANDUSE:		pH:	6.5	7.7	7.1	7.1	0.2	
CONDUCTIVITY 0.021 0.251 0.164 0.159 0.056 MAX. DAILY RAINFALL:			SPECIFIC						
MAX. DAILY RAINFALL: 1.8 inches DISSOLVED OXYGEN (mg/L): 3.7 8.0 5.4 5.5 0.7 PERIOD: Stage & Rainfall Water Temp Water Temp Water Temp Turbidity Turbidity PH Social 6/3 6/5 6/7 6/9 6/11 6/13 6/15 6/17 6/19 6/21 6/23 6/25 6/27 6/29 7/1 7/3 7/5 7/ Specific Conductivity Scott Conductivity Specific Conductivity Specific Conductivity Scott Conductivity Specific Conductivity Scott Conductivity		8	CONDUCTIVITY	0.021	0.251	0.164	0.159	0.050	
Stage & Rainfall Stage & Rainfall Stage & Rain		1.8 inches	DISSOLVED OXYGEN	3.7	8.0	5.4	5.5	0.7	
Water Temp Water Temp Water Temp Water Temp Water Temp Sas of 5 6/7 6/9 6/11 6/13 6/15 6/17 6/19 6/21 6/23 6/25 6/27 6/29 7/1 7/3 7/5 7/ PH Specific Conductivity Specific Cond		4.4 inches	(mg/L):						
Water Temp Water Temp Turbidity P	4		Stage & Rainfal	l					
85 6/3 6/5 6/7 6/9 6/11 6/13 6/15 6/17 6/19 6/21 6/23 6/25 6/27 6/29 7/1 7/3 7/5 7 Turbidity PH 80 6/3 6/5 6/7 6/9 6/11 6/13 6/15 6/17 6/19 6/21 6/23 6/25 6/27 6/29 7/1 7/3 7/5 7 Specific Conductivity Specific Conductivity Scothec in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen SCOHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen SCOHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen SCOHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen									
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PH Specific Conductivity Specific Conductivity Specific Conductivity Specific Conductivity Specific Conductivity Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen Scope of the stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Daily average not less than 5 mg/L with a low of 4 mg/L Daily average not less than 5 mg/L with a low of 4 mg/L Dail	90 85 80 75 77								
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\$\frac{8.0}{7.2} \\ \frac{6.8}{6.4} \\ \frac{6.0}{6.0} \\ \frac{6}{3} \\ \frac{6}{5} \\ \frac{6}{7} \\ \frac{6}{9} \\ \frac{6}{11} \\ \frac{6}{13} \\ \frac{6}{15} \\ \frac{6}{17} \\ \frac{6}{19} \\ \frac{6}{11} \\ \frac{6}{19} \\ \frac{6}{11} \\ \frac{6}{19} \\ \frac{6}{11} \\ \frac{6}{23} \\ \frac{6}{25} \\ \frac{6}{27} \\ \frac{6}{29} \\ \frac{7}{1} \\ \frac{7}{3} \\ \frac{7}{5} \\ \frac{7}{7} \\ \frac{7}{3} \\ \frac{7}{5} \\ \frac{7}{7} \\ \frac{1}{3} \\ \frac{6}{15} \\ \frac{6}{7} \\ \frac{6}{9} \\ \frac{6}{11} \\ \frac{6}{13} \\ \frac{6}{15} \\ \frac{6}{17} \\ \frac{6}{19} \\ \frac{6}{21} \\ \frac{6}{23} \\ \frac{6}{25} \\ \frac{6}{27} \\ \frac{6}{29} \\ \frac{7}{1} \\ \frac{7}{3} \\ \frac{7}{5} \	200 150 100 50 0	7 6/9 6/11 6/13	6/15 6/17 6/19	6/21 6/23	6/25 6/27	6/29 7/		7/5 7/7	
7.6 6.8 6.4 6.0 6/3 6/5 6/7 6/9 6/11 6/13 6/15 6/17 6/19 6/21 6/23 6/25 6/27 6/29 7/1 7/3 7/5 7 Specific Conductivity Speci			рН						
0.23 0.18 0.18 0.08 0.03 6/3 6/5 6/7 6/9 6/11 6/13 6/15 6/17 6/19 6/21 6/23 6/25 6/27 6/29 7/1 7/3 7/5 7 SCDHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen 4 mg/L (SCDHEC Low Standard)	7.6 H 7.2 6 .8 6.4 6.0	6/9 6/11 6/13	6/15 6/17 6/19	6/21 6/23	6/25 6/27	6/29 7/		7/5 7/7	
0.23 0.18 0.18 0.08 0.03 6/3 6/5 6/7 6/9 6/11 6/13 6/15 6/17 6/19 6/21 6/23 6/25 6/27 6/29 7/1 7/3 7/5 7 SCDHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen 4 mg/L (SCDHEC Low Standard)									
SCDHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L SCDHEC in-stream standard: Daily average not less than 5 mg/L with a low of 4 mg/L Dissolved Oxygen 4 mg/L (SCDHEC Low Standard)	0.23								
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4 mg/t (oconec tow standard									
	9 9 7 7 8 1 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	mannita	^.^	y work	6/25 6/27	thi	~ir		

Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

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Explanation of Statistics:

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STANDARD DEVIATION	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

Sampled Data:

Analyte	Sample 1		Sample 2		Sample 3	
(units)						
(units)	Time	Result	Time	Result	Time	Result
Escherichia coli						
(MPN/100mL)						
Total Suspended						
Solids (mg/L)						
Total Phosphorus						
(mg/L)						
Total Nitrogen						
(mg/L)						